



State Revolving Fund Loan Programs

Drinking Water, Wastewater, Nonpoint Source

PRELIMINARY DECISION OF CATEGORICAL EXCLUSION

TO ALL INTERESTED CITIZENS, ORGANIZATIONS AND GOVERNMENT AGENCIES:

SOUTHWEST LAKE MAXINKUCKEE CONSERVANCY DISTRICT

Wastewater Collection System Project

SRF # WW 09 49 50 01

Date: April 21, 2011

Target Project Approval Date: April 25, 2011

Pursuant to IC 4-4-11, the State Revolving Fund (SRF) Loan Program has determined that the project described here and in the Southwest Lake Maxinkuckee Conservancy District (SWLMCD) Preliminary Engineering Report submitted to the SRF on March 13, 2009 and revised by amendment in February and March 2011, will have no substantial negative environmental impact. Therefore, the SRF is issuing a preliminary decision of Categorical Exclusion from the requirements of substantive environmental review.

How were environmental issues considered?

The National Environmental Policy Act (NEPA) requires agencies disbursing Federal funds to include environmental factors in the decision making process. A summary of the project is attached for review. The SRF's preliminary review has found that the proposed project does not require the preparation of either an Environmental Assessment or an Environmental Impact Statement.

Why is additional environmental review not required?

Our environmental review has concluded that the proposed action will not produce significant negative environmental impacts.

How do I submit comments?

Comments can be submitted to:

Max Henschen, Senior Environmental Manager
SRF Programs
317-232-8623; mhensche at ifa.in.gov

CATEGORICAL EXCLUSION

I. PROJECT IDENTIFICATION

Project Name and Address: Southwest Lake Maxinkuckee Conservancy District
PO Box 56
Culver, IN 46511

SRF Project Number: WW 09 49 50 01

Authorized Representative: Kathryn Densborn, Chairman

II. PROJECT LOCATION

The Southwest Lake Maxinkuckee Conservancy District (SWLMCD) is located in Marshall County. The project will take place in Union Township, Culver USGS quadrangle, T32N, R1E, Sections 21, 27, 28, 33, and 34. See figures 1 to 4.

III. PROJECT NEED AND PURPOSE

The SWLMCD proposes to install by directional drilling approximately 18,950 feet of 1 ¼ inch to 4-inch diameter sewer force main around the south and southwest edge of Lake Maxinkuckee, with a connection to an existing lift station owned by the town of Culver. The project also includes an upgrade to that lift station. As a part of this project, individual homeowners will be required to purchase and install individual grinder pumps on their property.

The project is needed because the existing on-site systems are not operating properly. The “no action” alternative was considered and was determined to be not feasible, since the Marshall County Health Department has documented septic system problems in the area and continued use of the on-site systems may contribute to environmental degradation in Lake Maxinkuckee.

IV. ESTIMATED PROJECT COST AND FUNDING

<u>Construction</u>	<u>Estimated Cost</u>
2-inch through 4-inch HDPE Sewer	\$300,080
1 ¼ inch Service Lateral	\$38,400
Service Line Valves and Pits	\$134,400
Air Release Valve Stations	\$17,500
Inline and Terminal Flushing Connections	\$28,480
Valves and Valve Boxes	\$39,600
Surface Restoration	\$30,000
Flow Meter	\$17,000

Lift Station Upgrade	\$70,000
Mobilization, Bond and Start-up	<u>\$35,280</u>
Sub Total Estimated Construction Cost	\$710,740
Construction Contingencies (10%)	\$71,074
Capacity Reserve Fee	\$810,000
Non-Construction Costs	<u>\$308,300</u>
Total Estimated Project Cost	\$1,900,114

The District will fund the project with a loan from the State Revolving Fund (SRF) for a 20-year term at an annual interest rate to be determined at loan closing.

V. ENVIRONMENTAL IMPACTS OF THE FEASIBLE ALTERNATIVES

The proposed sewer collection system installation will be installed by directional drilling and will occur under existing streets. Improvements at the lift station occur within the lift station. The project will not affect wetlands, wooded areas the 100-year floodplain or prime farmland.

Construction and operation of the project will not alter, demolish or remove historic properties. If any visual or audible impacts to historic properties occur, they will be temporary and will not alter the characteristics that qualify such properties for inclusion in or eligibility for the National Register of Historic Places. The SRF's finding pursuant to Section 106 of the Historic Preservation Act is: "no historic properties affected." See Figure 5.

VI. PUBLIC PARTICIPATION

A properly advertised public hearing was held at 3:00 pm on December 16, 2010 at the Culver Union Township Public Library in Culver to discuss the Preliminary Engineering Report. A copy of the Preliminary Engineering Report was available for public review during the ten days prior to the public hearing. There were no written comments received from the public during the five day period after the public hearing.

LAKE MAXINKUCKEE

PROPOSED 2"
FORCE MAIN

PROPOSED 3"
FORCE MAIN

PROPOSED 3"
FORCE MAIN

PROPOSED 2"
FORCE MAIN

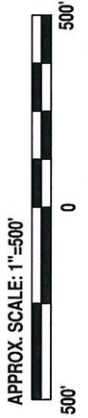
PROPOSED 2"
FORCE MAIN

LAKE MAXINKUCKEE, INDIANA

* Revised: 03/29/11
* Revised: 02/14/11

SOUTHWEST LAKE MAXINKUCKEE CONSERVANCY DISTRICT MARSHALL COUNTY
NEW WASTEWATER COLLECTION FACILITIES
PROPOSED SEWER LAYOUT (SOUTH)

Figure 1





LAKE MAXINKUCKEE, INDIANA

* Revised: 03/29/11
 * Revised: 02/14/11



SOUTHWEST LAKE MAXINKUCKEE CONSERVANCY DISTRICT
 MARSHALL COUNTY
 NEW WASTEWATER COLLECTION FACILITIES
 PROPOSED SEWER LAYOUT (MIDDLE)

Figure 2



APPROX. SCALE: 1"=500'





LAKE MAXINKUCKEE, INDIANA

* Revised: 03/29/11
 * Revised: 02/14/11

SOUTHWEST LAKE MAXINKUCKEE CONSERVANCY DISTRICT
MARSHALL COUNTY
NEW WASTEWATER COLLECTION FACILITIES
PROPOSED SEWER LAYOUT (NORTH)



COMMONWEALTH
ENGINEERS, INC.

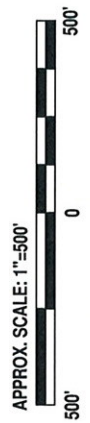


Figure 3



LAKE MAXINKUCKEE, INDIANA

* Revised: 03/29/11
 * Revised: 02/14/11

SOUTHWEST LAKE MAXINKUCKEE CONSERVANCY DISTRICT
MARSHALL COUNTY
NEW WASTEWATER COLLECTION FACILITIES
PROPOSED SEWER LAYOUT (NORTH)



COMMONWEALTH
ENGINEERS, INC.

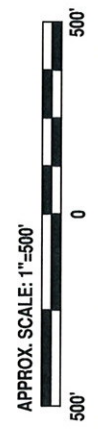
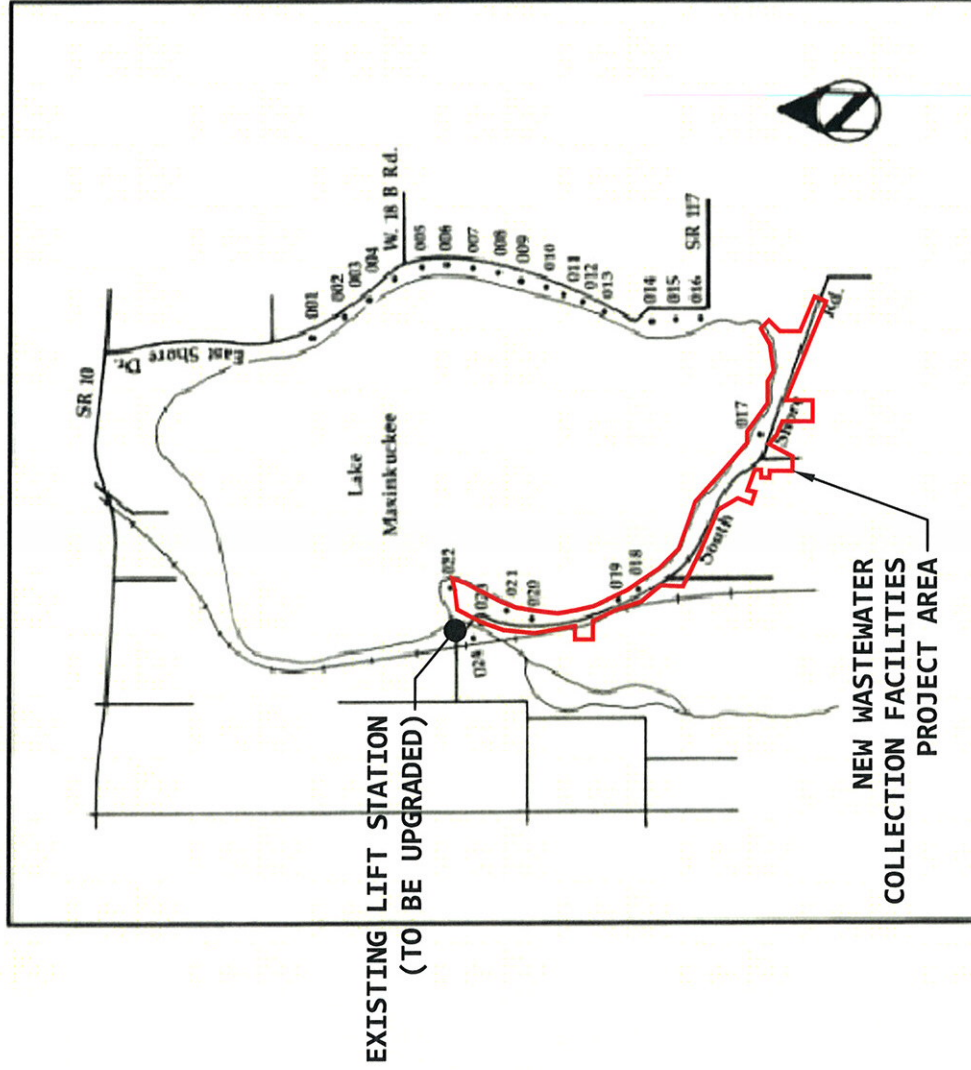


Figure 4

Lake Maxinkuckee Scattered Sites (55001-024)



LAKE MAXINKUCKEE, INDIANA

NO SCALE

The area around Lake Maxinkuckee was first settled in 1836. Eleazer Thompson was the first permanent white settler on the lake locating on the northeast shore. During the next forty years, most of the area surrounding the lake was used for agriculture.

Just after the Civil War, Lake Maxinkuckee started to develop as a summer resort area. Most of these summer vacationers were from nearby Plymouth. The first clubhouse on the lake was built in 1875 by a group of prominent Plymouth businessmen. In 1878 a more permanent clubhouse called the Lake View Club was built. Several more clubhouses, rooming houses and small cottages began to appear around the lake.

Three miles long, Lake Maxinkuckee is Indiana's second largest inland lake. The lake attracted a large number of boats. The first sailboat on the lake was built in 1874 by W. W. Hill of Plymouth. The first steamboat, The Victor, was brought from Rochester, Indiana in 1878.

In 1883 the Vandalia Railroad was completed through Union Township and its depot was located on the lake's northern shore. The railroad provided easy access to the lake and helped popularize Lake Maxinkuckee as a resort area. The late nineteenth and early twentieth centuries saw a dramatic increase in the construction of cottages and large vacation homes along the lake.

In 1894, Henry Harrison Culver founded Culver Military Academy on the northern shore of Lake Maxinkuckee. The academy started with three buildings on forty acres of land and has since grown to incorporate 37 major buildings on 1500 acres.

As the lake developed as a major resort area, many elaborate summer cottages were built along the shores. Woodbank (550016), located on the southeastern corner of the lake, was built in 1894 by William Jacob Wood, an investigator for Fidelity

* Revised: 03/29/11
* Revised: 02/14/11

Figure 5: From Marshall County Interim Report
Indiana Historic Sites and Structures Inventory

